| L Number | Hits       | Search Text   | DB   | Time stamp       |
|----------|------------|---|--|------------------|
| 1        | 1031       | ferromagnetic near6 free  | USPAT  | 2003/10/30 16:35 |
| 2        | 1523       | hard near8 bias\$4  | USPAT  | 2003/10/30 17:41 |
| 3        | 279        | (ferromagnetic near6 free) and (hard near8                                      | USPAT .                                      | 2003/10/30 16:35 |
|          |            | bias\$4)  |  |                  |
| 4        | 180        | free near20 (single adj6 domain)  | USPAT  | 2003/10/30 16:36 |
| 7        | 0          | (((ferromagnetic near6 free) and (hard  | USPAT  | 2003/10/30 16:37 |
|          |            | near8 bias\$4)) and (free near20 (single  |  |                  |
|          |            | adj6 domain))) and ((hard adj4 bias)  |  |                  |
|          |            | near13 (coerciv\$4 adj4 Oe))  |  |                  |
| 5        | 59         |   | USPAT  | 2003/10/30 17:13 |
|          |            | near8 bias\$4)) and (free near20 (single  |  |                  |
|          | 0403       | adj6 domain))   | HODAM  | 2003/10/30 17:13 |
| 8 9      | 8493<br>46 | giant   | USPAT<br>USPAT                               | 2003/10/30 17:13 |
| 9        | 40         | (((ferromagnetic near6 free) and (hard near8 bias\$4)) and (free near20 (single | USPAI  | 2003/10/30 17:13 |
|          |            | adj6 domain))) and giant  |  |                  |
| 6        | 6          | (hard adj4 bias) near13 (coerciv\$4 adj4  | USPAT  | 2003/10/30 17:24 |
| ١        |            | Oe)   | ODIM   | 2003/10/30 17.24 |
| 10       | 2422       | coerciv\$4 adj6 Oe  | USPAT  | 2003/10/30 17:25 |
| 11       | 5          | ((((ferromagnetic near6 free) and (hard   | USPAT  | 2003/10/30 17:25 |
|          |            | near8 bias\$4)) and (free near20 (single  |  |                  |
|          |            | adj6 domain))) and giant) and (coerciv\$4                                       |  |                  |
|          |            | adj6 Oe)  |  |                  |
| 12       | 5          |   | USPAT  | 2003/10/30 17:36 |
|          |            | near8 bias\$4)) and (free near20 (single  |  |                  |
|          |            | adj6 domain))) and giant) and (coerciv\$4                                       |  |                  |
|          |            | adj6 Oe)) not ((hard adj4 bias) near13  |  |                  |
|          | 4055       | (coerciv\$4 adj4 Oe))   |  | 0000/10/00 17 10 |
| 13       | 1955       | seed adj30 (W or Mo or Cr or V or Nb or Ta                                      | USPAT  | 2003/10/30 17:40 |
| 1.4      | 46583      | or Ti or Hf or Zr)  | IICDAM                                       | 2003/10/30 17:40 |
| 14       | 46383      | permanent adj6 (magnet or magnetic) ((((ferromagnetic near6 free) and (hard     | USPAT<br>USPAT                               | 2003/10/30 17:40 |
| 10       | U          | near8 bias\$4)) and (free near20 (single  | USFMI  | 2003/10/30 17:40 |
|          |            | adj6 domain))) and giant) and ((seed adj30                                      |  |                  |
|          |            | (W or Mo or Cr or V or Nb or Ta or Ti or  |  |                  |
|          |            | Hf or Zr)) and (permanent adj6 (magnet or                                       |  |                  |
|          |            | magnetic)))   |  |                  |
| 15       | 35         |   | USPAT  | 2003/10/30 17:40 |
|          |            | Ta or Ti or Hf or Zr)) and (permanent adj6                                      | ,  |                  |
|          |            | (magnet or magnetic))   |  |                  |
| 17       | 12         |   | USPAT  | 2003/10/30 17:41 |
|          |            | Mo or Cr or V or Nb or Ta or Ti or Hf or  |  |                  |
|          |            | Zr)) and (permanent adj6 (magnet or   |  |                  |
|          |            | magnetic)))   | <u>                                     </u> |                  |

| L Number Hits Search Text DB  1 1031 ferromagnetic near6 free USPAT 2 1523 hard near8 bias\$4 USPAT 3 279 (ferromagnetic near6 free) and (hard near8 USPAT | Time stamp<br>2003/10/30 17:57<br>2003/10/30 17:58 |
|--|--|
| 2 1523 hard near8 bias\$4 USPAT  |  |
|  | 2003/10/30 17.30                                   |
| 3   Z/9  (Terromagnetic heard free) and thatd heard (USFA)   | 2003/10/30 16:35                                   |
| bias\$4)   | 2003/10/30 10:33                                   |
| 4 180 free near20 (single adj6 domain) USPAT   | 2003/10/30 17:58                                   |
| 7 0 (((ferromagnetic near6 free) and (hard USPAT   | 2003/10/30 17:30                                   |
| near8 bias\$4)) and (free near20 (single   | 2003/10/30 10:3/                                   |
| adj6 domain))) and ((hard adj4 bias)   |  |
| near13 (coerciv\$4 adj4 Oe))   |  |
| 5 ((ferromagnetic near6 free) and (hard USPAT  | 2003/10/30 17:13                                   |
| near8 bias\$4)) and (free near20 (single   |  |
| adj6 domain))  |  |
| 8 8493 giant USPAT   | 2003/10/30 17:13                                   |
| 9 46 (((ferromagnetic near6 free) and (hard USPAT  | 2003/10/30 17:13                                   |
| near8 bias\$4)) and (free near20 (single   |  |
| adj6 domain))) and giant   |  |
| 6 (hard adj4 bias) near13 (coerciv\$4 adj4 USPAT   | 2003/10/30 17:58                                   |
| Oe)  |  |
| 10   | 2003/10/30 17:25                                   |
| 11 5 ((((ferromagnetic near6 free) and (hard USPAT   | 2003/10/30 17:25                                   |
| near8 bias\$4)) and (free near20 (single   |  |
| adj6 domain))) and giant) and (coerciv\$4  |  |
| adj6 Oe)   |  |
| 5 (((((ferromagnetic near6 free) and (hard USPAT   | 2003/10/30 17:36                                   |
| near8 bias\$4)) and (free near20 (single   |  |
| adj6 domain))) and giant) and (coerciv\$4  |  |
| adj6 Oe)) not ((hard adj4 bias) near13   |  |
| (coerciv\$4 adj4 Oe)) 13 1955 seed adj30 (W or Mo or Cr or V or Nb or Ta USPAT   | 2003/10/30 17:59                                   |
| or Ti or Hf or Zr)   | 2003/10/30 17.33                                   |
| 14 46583 permanent adj6 (magnet or magnetic) USPAT   | 2003/10/30 17:59                                   |
| 16 0 ((((ferromagnetic near6 free) and (hard USPAT   | 2003/10/30 17:40                                   |
| near8 bias\$4)) and (free near20 (single   | 2000, 20, 00 2000                                  |
| adj6 domain))) and giant) and ((seed adj30   |  |
| (W or Mo or Cr or V or Nb or Ta or Ti or   |  |
| Hf or Zr)) and (permanent adj6 (magnet or  |  |
| magnetic)))  |  |
| 15   35   (seed adj30 (W or Mo or Cr or V or Nb or USPAT   | 2003/10/30 17:40                                   |
| Ta or Ti or Hf or Zr)) and (permanent adj6   |  |
| (magnet or magnetic))  | 0000 (10 (00 15 11                                 |
| 17 12 (hard near8 bias\$4) and ((seed adj30 (W or USPAT  | 2003/10/30 17:41                                   |
| Mo or Cr or V or Nb or Ta or Ti or Hf or   |  |
| Zr)) and (permanent adj6 (magnet or  |  |
| magnetic))) 18 1273 ferromagnetic near6 free US-PGP  | UB; 2003/10/30 17:57                               |
| 18 12/3 Terromagnetic heart free US-rGr EPO; J   |  |
| DERWEN   |  |
| IBM TD   |  |
| 19 1021 hard near8 bias\$4 US-PGP  |  |
| EPO; J   |  |
| DERWEN   | ·  |
| IBM_TD   |  |
| 20 185 free near20 (single adj6 domain) US-PGP   |  |
| EPO; J   |  |
| DERWEN   |  |
| IBM_TD   |  |
| 21 2 (hard adj4 bias) near13 (coerciv\$4 adj4 US-PGP   |  |
| Oe) EPO; J   |  |
| DERWEN IBM TD  | *  |
| 22 1504 seed adj30 (W or Mo or Cr or V or Nb or Ta US-PGP  |  |
| or Ti or Hf or Zr)   |  |
| DERWEN   | · ·  |
| IBM TD   | · ·  |
| 23 83817 permanent adj6 (magnet or magnetic) US-PGP  |  |
| EPO; J   | PO;  |
| DERWEN   | ,  |
| IBM_TD   | В  |

| 24  | 1 | (ferromagnetic near6 free) and (hard near8  | US-PGPUB; | 2003/10/30 18:01   |
|-----|---|---|-----------|--------------------|
| 23  | - | bias\$4) and (free near20 (single adj6      | EPO; JPO; | 2003/10/30 10:01   |
|     |   | domain)) and ((hard adj4 bias) near13       | DERWENT;  |                    |
|     |   | (coerciv\$4 adj4 Oe)) and (seed adj30 (W or | IBM TDB   |                    |
|     |   | Mo or Cr or V or Nb or Ta or Ti or Hf or    | 1011_100  |                    |
|     |   | Zr)) and (permanent adj6 (magnet or         |           |                    |
|     |   | magnetic))                                  |           |                    |
| 25  | 1 | ((hard adj4 bias) near13 (coerciv\$4 adj4   | US-PGPUB; | 2003/10/30 18:00   |
| 23  | _ | Oe)) not ((ferromagnetic near6 free) and    | EPO; JPO; | 2003/10/30 10:00   |
|     |   | (hard near8 bias\$4) and (free near20       | DERWENT;  |                    |
|     |   | (single adj6 domain)) and ((hard adj4       | IBM TDB   |                    |
|     |   | bias) near13 (coerciv\$4 adj4 Oe)) and      | 1511_155  |                    |
|     |   | (seed adj30 (W or Mo or Cr or V or Nb or    |           |                    |
|     |   | Ta or Ti or Hf or Zr)) and (permanent adj6  |           |                    |
|     |   | (magnet or magnetic)))                      |           |                    |
| 26  | 4 | (ferromagnetic near6 free) and (hard near8  | US-PGPUB; | 2003/10/30 18:01   |
| - 0 | _ | bias\$4) and (free near20 (single adj6      | EPO; JPO; | 2000, 20, 00 20.02 |
|     |   | domain)) and (seed adj30 (W or Mo or Cr or  | DERWENT;  |                    |
|     |   | V or Nb or Ta or Ti or Hf or Zr)) and       | IBM TDB   |                    |
|     |   | (permanent adj6 (magnet or magnetic))       | <u>-</u>  |                    |

| L Number | Hits     | Search Text                               | DB     | Time stamp                    |
|----------|----------|---|--------|-------------------------------|
| 1        | 2        | (("5696654") or ("5869963")).PN.          | USPAT  | 2003/10/31 14:31              |
| 2        | 4179     | single adj4 domain                        | USPAT  | 2003/10/31 14:32              |
| 3        | 1        | ((("5696654") or ("5869963")).PN.) and    | USPAT  | 2003/10/31 14:40              |
|          | ·        | (single adj4 domain)                      |        |                               |
| 4        | 1031     | ferromagnetic near6 free                  | USPAT  | 2003/10/31 14:40              |
| 5        | 0        | (((("5696654") or ("5869963")).PN.) and   | USPAT  | 2003/10/31 14:41              |
|          |          | (single adj4 domain)) and (ferromagnetic  |        |                               |
|          |          | near6 free)                               |        |                               |
| 6        | 2        | (("6636400") or ("6175477")).PN.          | USPAT  | 2003/10/31 14:41              |
| 7        | 1        | (single adj4 domain) and (ferromagnetic   | USPAT  | 2003/10/31 14:43              |
|          | _        | near6 free) and ((("6636400") or          |        |                               |
|          |          | ("6175477")).PN.)                         |        |                               |
| 8        | 1        | ((("5696654") or ("5869963")).PN.) and    | USPAT  | 2003/10/31 14:45              |
|          | _        | (single adj4 domain)                      |        | 1 2000, 20, 02 21010          |
| 9        | 2        | (("6538858") or ("6542341")).PN.          | USPAT  | 2003/10/31 14:45              |
| 10       | 2        | (single adj4 domain) and (ferromagnetic   | USPAT  | 2003/10/31 14:46              |
| -0       | _        | near6 free) and ((("6538858") or          |        | 2000, 20, 02 21110            |
|          |          | ("6542341")).PN.)                         |        | 1                             |
| 11       | 8493     | giant                                     | USPAT  | 2003/10/31 14:46              |
| 13       | 274      | Oe near15 (hard or seed)                  | USPAT  | 2003/10/31 14:47              |
| 14       | 0        | (((single adj4 domain) and (ferromagnetic | USPAT  | 2003/10/31 14:47              |
|          |          | near6 free) and ((("6538858") or          |        | 1200, 20, 02 2001.            |
|          |          | ("6542341")).PN.)) and giant) and (Oe     |        |                               |
|          |          | near15 (hard or seed))                    |        |                               |
| 12       | 2        |   | USPAT  | 2003/10/31 14:54              |
| 1        | _        | near6 free) and ((("6538858") or          | 002111 | 2000, 20, 01 21101            |
|          |          | ("6542341")).PN.)) and giant              |        |                               |
| 15       | 2        |   | USPAT  | 2003/10/31 15:29              |
|          | _        | (ferromagnetic near6 free) and            |        | 2000, 20, 02 20.23            |
|          |          | ((("6538858") or ("6542341")).PN.)) and   |        |                               |
|          |          | giant)                                    |        |                               |
| 16       | 5638     | hard near8 thickness                      | USPAT  | 2003/10/31 15:29              |
| 17       | 1        | (giant and (((single adj4 domain) and     | USPAT  | 2003/10/31 15:40              |
|          | _        | (ferromagnetic near6 free) and            |        |                               |
|          |          | ((("6538858") or ("6542341")).PN.)) and   |        |                               |
|          |          | giant)) and (hard near8 thickness)        |        |                               |
| 18       | 71885    | seed                                      | USPAT  | 2003/10/31 15:40              |
| 19       | 0        | ((giant and (((single adj4 domain) and    | USPAT  | 2003/10/31 15:41              |
|          |          | (ferromagnetic near6 free) and            |        |                               |
|          |          | ((("6538858") or ("6542341")).PN.)) and   |        |                               |
|          |          | giant)) and (hard near8 thickness)) and   |        |                               |
|          |          | seed                                      |        |                               |
| 20       | 1        | ("5,869,963").PN.                         | USPAT  | 2003/10/31 15:41              |
| 21       | أَ       | seed and (("5,869,963").PN.)              | USPAT  | 2003/10/31 15:45              |
| 22       | ĺ        | ("6052263").PN.                           | USPAT  | 2003/10/31 15:48              |
| 23       | Ō        | seed and (("5,869,963").PN.)              | USPAT  | 2003/10/31 15:48              |
| 24       | 1        | seed and (("6052263").PN.)                | USPAT  | 2003/10/31 15:48              |
|          | <u> </u> | 1 2002 200 11 0002200 / 12111/            |        | 1 = 5 = 5 , = 5 , 5 = 10 . 30 |